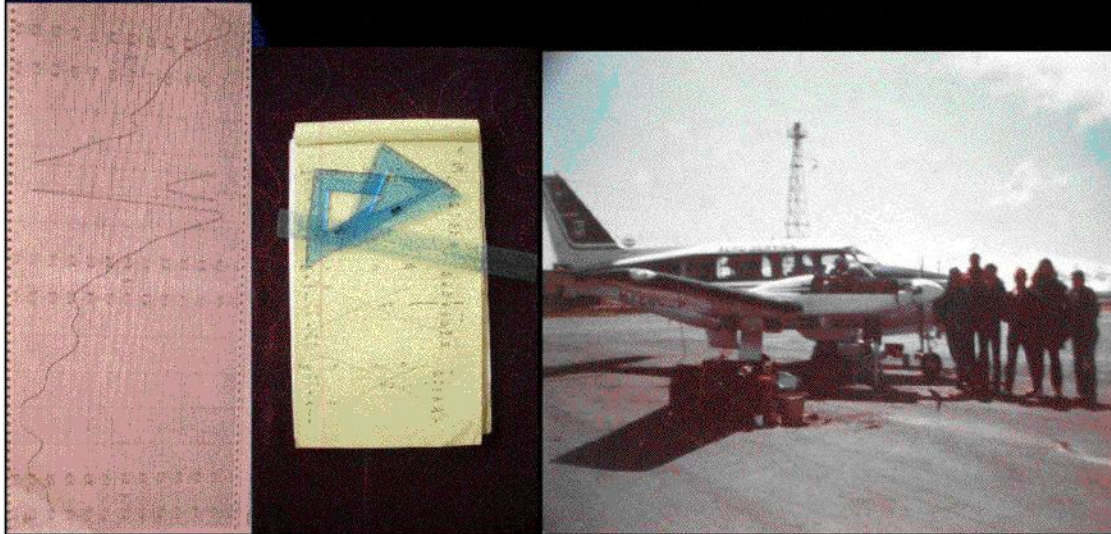


Discovering Chicxulub; April-August 1978

- QC Analog chart recordings, squares, ruler, calculator, legal pad and pencil.
- The interpretation is made initially with no PC, no mapping software, no digital data!
- Discovery required only a new data set (aeromagnetics), a fresh eye with insight from a completely different field (amateur astronomy hobby), and sufficient experience to recognize the truly anomalous (previous years in Alaska QC'ing 25,000+km of airborne analog records including several major volcanic centers)



Two years before the Chicxulub discovery (1976) I spent three months in Alaska as a field geophysicist surveying the Bering Sea Basins with an airborne magnetometer crew for the Aero Service division of Western Geophysical company. This was done from bases of operation on the Pribilof islands and Cold Bay on the Aleutian Peninsula. I would examine airborne and ground station diurnal magnetic records from chart recorders for data quality issues such as avoiding flying during magnetic storms. We flew over a number of major volcanic centers so I became very familiar with the magnetic signature of numerous examples of both buried and outcropping volcanoes. This would allow me to recognize almost immediately that the Chicxulub feature I found in 1978 was certainly not simply a volcanic complex as conventional wisdom and existing well data suggested to both PEMEX and NASA. I am second from the left in the crew photo.